

INTERNATIONAL SEARCH REPORT

International Application No
PCT/AT2004/000143

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 601M3/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 601M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DD 140 172 A (DEUTSCHE POST, INSTITUT FÜR POST- UND FERNMELDWESSEN) 13 February 1980 (1980-02-13) cited in the application abstract page 1, paragraphs 1,2 page 2, paragraph 2 page 4, paragraph 2	1,4,7-13
Y	PATENT ABSTRACTS OF JAPAN vol. 0061, no. 29 (P-128), 15 July 1982 (1982-07-15) & JP 57 054832 A (HITACHI LTD), 1 April 1982 (1982-04-01) abstract	1,4,7-13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

30 June 2004

Date of mailing of the international search report

08/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 05, 14 September 2000 (2000-09-14) & JP 2000 035372 A (ISHIKAWAJIMA INSPECTION & INSTRUMENTATION CO), 2 February 2000 (2000-02-02) abstract figure 1	1,10
A	US 3 664 965 A (HIROTA ET AL) 23 May 1972 (1972-05-23) abstract column 1, line 21 - line 23 column 2, line 64 - line 69	1,9,10
A	US 4 113 673 A (HIROTA ET AL) 12 September 1978 (1978-09-12) abstract column 7 - column 8	1,10-13
A	US 3 848 459 A (DAVIDSON ET AL) 19 November 1974 (1974-11-19) abstract column 1, line 52 - line 56 figure 1	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/AT2004/000143

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DD 140172	A	13-02-1980	DD 140172 A1	13-02-1980
JP 57054832	A	01-04-1982	NONE	
JP 2000035372	A	02-02-2000	NONE	
US 3664965	A	23-05-1972	DE 1573689 A1	26-03-1970
			DK 134414 B	01-11-1976
			FR 1433928 A	16-06-1966
			GB 1112881 A	08-05-1968
			NL 131345 C	
			NL 6506268 A	22-11-1965
			NO 123867 B	24-01-1972
			SE 315757 B	06-10-1969
US 4113673	A	12-09-1978	JP 1146581 C	12-05-1983
			JP 52112368 A	20-09-1977
			JP 57037818 B	12-08-1982
			JP 1146582 C	12-05-1983
			JP 52127381 A	25-10-1977
			JP 57037819 B	12-08-1982
			CH 632006 A5	15-09-1982
			DE 2711770 A1	29-09-1977
			GB 1539152 A	31-01-1979
			NL 7702864 A	20-09-1977
			NO 770963 A	20-10-1977
			CA 1073790 A1	18-03-1980
US 3848459	A	19-11-1974	NONE	